



**CALIFORNIA STATE SCIENCE FAIR  
2015 PROJECT SUMMARY**

<b>Name(s)</b> Charley Bi; Austin Chang; Cooper Ge		<b>Project Number</b>  35471
<b>Project Title</b> How Bacterially Secreted Intrinsic Factor Affects Vitamin B12 Transfer		
<b>Objectives/Goals</b> Submitted by Partner	<b>Abstract</b>	
<b>Summary Statement</b> The purpose of this project is to observe if genetically modified E. coli can secrete Intrinsic Factor in order to transfer vitamin B12 across a membrane.		
<b>Help Received</b> Used Valley Christian High School BSL1 lab.		